Journal of Fluid Mechanics **Volume 338 10 May 1997**

R. G. Cox Electroviscous forces on a charged particle suspended in a flowing liquid *page* 1

D. R. Ohlsen & P. B. Rhines Laboratory studies of equatorially trapped waves using ferrofluid 35

D. W. Bechert, M. Bruse, W. Hage, J. G. T. van der Hoeven & G. Hoppe Experiments on drag-reducing surfaces and their optimization with an adjustable geometry 59

R. D. Frederiksen, W. J. A. Dahm & D. R. Dowling Experimental assessment of fractal scale similarity in turbulent flows. Part 2. Higher-dimensional intersections and non-fractal inclusions 89

R. D. Frederiksen, W. J. A. Dahm & D. R. Dowling Experimental assessment of fractal scale similarity in turbulent flows. Part 3. Multifractal scaling 127

D. Chen & G. H. Jirka Absolute and convective instabilities of plane turbulent wakes in a shallow water layer 157

A. Indeikina, I. Veretennikov & H.-C. Chang Drop fall-off from pendent rivulets 173

A. G. Panaras The effect of the structure of swept-shock-wave/turbulent-boundary-layer interactions on turbulence modelling 203

D. A. Hammond & L. G. Redekopp Global dynamics and aerodynamic flow vectoring of wakes 231

H. L. Pécseli & J. Trulsen Eulerian and Lagrangian velocity correlations in two-dimensional random geostrophic flows 249

N. Rakotomalala, D. Salin & P. Watzky Miscible displacement between two parallel plates: BGK lattice gas simulations 277

M. Loewenberg & E. J. Hinch Collision of two deformable drops in shear flow 299

A. J. Hogg, H. E. Huppert & W. B. Dade Erosion by planar turbulent wall jets 317

P. Ashwin & G. P. King A study of particle paths in non-axisymmetric Taylor–Couette flows 341

D. Aronson, A. V. Johansson & L. Löfdahl Shear-free turbulence near a wall 363

N. Peake On the behaviour of a fluid-loaded cylindrical shell with mean flow 387

INDEX TO VOLUME 338 411

SCHEDULE OF INTERNATIONAL CONFERENCES ON FLUID MECHANICS 412

CAMBRIDGE
UNIVERSITY PRESS

JFLSA7 338 1–413 (1997) 0022–1120 © Cambridge University Press 0022-1120(199705)338;1-1